$5)4)$

PCT10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/031,047

DATE: 02/13/2002
TIME: 19:58:17

Input Set : A:\PTO.txt
Output Set: N:\CRF3\02132002\J031047.raw

ENTERED

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  2 <110> APPLICANT: FRESNO ESCUDERO, Manuel
  3        IIGUEZ PENA, Miguel Angel
  5 <120> TITLE OF INVENTION: NUCLEIC ACIDS, VECTORS, AND CELL LINES
  6        COMPRISING A CYCLOOXYGENASE 2 (COX-2) PROMOTER AND METHODS
  7        OF SCREENING FOR COX-2 INHIBITORS
  9 <130> FILE REFERENCE: 34909-PCT-USA 069277.0108
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/031,047
C--> 11 <141> CURRENT FILING DATE: 2002-01-10
 11 <150> PRIOR APPLICATION NUMBER: ES P9901557
 12 <151> PRIOR FILING DATE: 1999-07-12
 14 <160> NUMBER OF SEQ ID NOS: 5
 16 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 33
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Artificial Sequence
 23 <220> FEATURE:
 24 <223> OTHER INFORMATION: Oligonucleotide primer
 26 <400> SEQUENCE: 1                                              33
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 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 30
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Artificial Sequence
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: Oligonucleotide primer
 37 <400> SEQUENCE: 2                                              30
 38 gggagatctg gtaggctttg ctgtctgagg
 40 <210> SEQ ID NO: 3
 41 <211> LENGTH: 1979
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Human cyclooxygenase 2 promoter cloning fragment
 48 <221> NAME/KEY: primer_bind
 49 <222> LOCATION: (46)...(70)
 50 <223> OTHER INFORMATION: Oligonucleotide No 1
 52 <221> NAME/KEY: primer_bind
 53 <222> LOCATION: (1925)...(1947)
 54 <223> OTHER INFORMATION: Oligonucleotide No 1
 56 <400> SEQUENCE: 3
 57 gaattcagga ttgtaatgta aaattttagt actctctcac agtatggatt ctaacatggc 60
 58 ttctaaccca aactaacatt agtagctcta actataaact tcaaatttca gtagatgcaa 120
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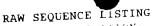
2/13/02

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59 cctactcctt taaaatgaaa cagaagattg aaattattaa attatcaaaa agaaaatgat 180
60 ccacgctctt agttgaaatt tcatgtaaga ttccatgcaa taaataggag tgccataaat 240
61 ggaatgatga aatatgacta gaggaggaga aaggcttcct agatgagatg gaattttagt 300
62 catccgtgtc tcatgaagaa tcagatgtgt acactaagca aaacagttaa aaaaaaaacc 360
63 tccaagtgag tctcttattt attttttttct tataagactt ctacaaattg aggtacctgg 420
64 tgtagtttta tttcaggttt tatgctgtca ttttcctgta atgctaagga cttaggacat 480
65 aactgaattt tctattttcc acttctttttc tggtgtgtgt gtatatatat atgtatatat 540
66 acacacacac atatacatat atatattttt agtatctcac cctcacatgc tcctccctga 600
67 gcactaccca tgatagatgt taaacaaaag caaagatgaa attccaactg ttaaaatctc 660
68 ccttccatct aattaattcc tcatccaact atgttccaaa acgagaatag aaaattagcc 720
69 ccaataagcc caggcaactg aaaagtaaat gctatgttgt actttgatcc atggtcacaa 780
70 ctcataatct tggaaaagtg gacagaaaag acaaaagagt gaactttaaa actcgaattt 840
71 attttaccag tatctcctat gaagggctag taaccaaaat aatccacgca tcagggagag 900
72 aaatgcctta aggcatacgt tttggacatt tagcgtccct gcaaattctg gccatcgccg 960
73 cttcctttgt ccatcagaag gcaggaaact ttatattggt gacccgtgga gctcacatta 1020
74 actatttaca gggtaactgc ttaggaccag tattatgagg aggatttacc tttcccgcct 1080
75 ctctttccaa gaaacaagga gggggtgaag gtacggagaa cagtatttct tctgttgaaa 1140
76 gcaacttagc tacaaagata aattacagct atgtacactg aaggtagcta tttcattcca 1200
77 caaaataaga gttttttaaa aagctatgta tgtatgtcct gcatatagag cagatataca 1260
78 gcctattaag cgtcgtcact aaaacataaa acatgtcagc ctttcttaac cttactcgcc 1320
79 ccagtctgtc ccgacgtgac ttcctcgacc ctctaaagac gtacagacca gacacggcgg 1380
80 cggcggcggg agaggggatt ccctgcgccc ccggacctca gggccgctca gattcctgga 1440
81 gaggaagcca agtgtccttc tgccctcccc cggtatccca tccaaggcga tcagtccaga 1500
82 actggctctc ggaagcgctc gggcaaagac tgcgaagaag aaaagacatc tggcggaaac 1560
83 ctgtgcgcct ggggcggtgg aactcgggga ggagagggag ggatcagaca ggagagtggg 1620
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85 gtgggtaaaa aaccctgccc ccaccgggct tacgcaattt ttttaagggg agaggaggga 1740
86 aaaatttgtg ggggtacga aaaggcggaa agaaacagtc atttcgtcac atgggcttgg 1800
87 ttttcagtct tataaaaagg aaggttctct cggttagcga ccaattgtca tacgacttgc 1860
88 agtgagcgtc aggagcacgt ccaggaactc ctcagcagcg cctccttcag ctccacagcc 1920
89 agacgccctc agacagcaaa gcctacccc cgcgccgcgc cctgcccgcc gctgcgatg 1979
91 <210> SEQ ID NO: 4
92 <211> LENGTH: 70
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Cloning fragment where sequences of 5' and 3' ends
98       are shown in detail and the internal sequences are
99       represented by Ns.
101 <221> NAME/KEY: promoter
102 <222> LOCATION: (34)...(40)
103 <223> OTHER INFORMATION: Shorthand representation of sequence from
104       nucleotide 25 to nucleotide 882 of SEQ ID. NO:5
106 <400> SEQUENCE: 4
107 gggggatccg gattctaaca tggcttctaa cccnnnnnnn cctcagacag caaagcctac 60
108 cagatctccc                                                        70
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 1902
112 <212> TYPE: DNA
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Input Set : A:\PTO.txt
Output Set: N:\CRF3\02132002\J031047.raw

113 <213> ORGANISM: Human
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118 caaaaagaaa atgatccacg ctcttagttg aaatttcatg taagattcca tgcaataaat 180
119 aggagtgcca taaatggaat gatgaaatat gactagagga ggagaaaggc ttcctagatg 240
120 agatggaatt ttagtcatcc gtgtctcatg aagaatcaga tgtgtacact aagcaaaaca 300
121 gttaaaaaaa aaacctccaa gtgagtctct tatttatttt tttcttataa gacttctaca 360
122 aattgaggta cctggtgtag ttttatttca ggttttatgc tgtcattttc ctgtaatgct 420
123 aaggacttag gacataactg aattttctat tttccacttc ttttctggtg tgtgtgtata 480
124 tatatatgta tatatacaca cacacatata catatatata tttttagtat ctcaccctca 540
125 catgctcctc cctgagcact acccatgata gatgttaaac aaaagcaaag atgaaattcc 600
126 aactgttaaa atctcccttc catctaatta attcctcatc caactatgtt ccaaaacgag 660
127 aatagaaaat tagccccaat aagcccaggc aactgaaaag taaatgctat gttgtacttt 720
128 gatccatggt cacaactcat aatcttggaa aagtggacag aaaagacaaa agagtgaact 780
129 ttaaaactcg aatttatttt accagtatct cctatgaagg gctagtaacc aaaataatcc 840
130 acgcatcagg gagagaaatg ccttaaggca tacgtttttgg acatttagcg tccctgcaaa 900
131 ttctggccat cgccgcttcc tttgtccatc agaaggcagg aaactttata ttggtgaccc 960
132 gtggagctca cattaactat ttacagggta actgcttagg accagtatta tgaggaggat 1020
133 ttaccttt cc cgcctctctt tccaagaaac aaggaggggg tgaaggtacg gagaacagta 1080
134 tttcttctgt tgaaagcaac ttagctacaa agataaatta cagctatgta cactgaaggt 1140
135 agctatttca ttccacaaaa taagagtttt ttaaaaagct atgtatgtat gtcctgcata 1200
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138 gaccagacac ggcggcggcg gcgggagagg ggattccctg cgccccggga cctcagggcc 1380
139 gctcagattc ctggagagga agccaagtgt ccttctgccc tcccccggta tcccatccaa 1440
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141 acatctggcg gaaacctgtg cgcctggggc ggtggaactc ggggaggaga gggagggatc 1560
142 agacaggaga gtggggacta cccctctgc tcccaaattg gggcagcttc ctggtttcc 1620
143 gattttctca tttccgtggg taaaaaaccc tgcccccacc gggcttacgc aattttttta 1680
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145 gtcacatggg cttggttttc agtcttataa aaaggaaggt tctctcggtt agcgaccaat 1800
146 tgtcatacga cttgcagtga gcgtcaggag cacgtccagg aactcctcag cagcgcctcc 1860
147 ttcagctcca cagccagacg ccctcagaca gcaaagccta cc 1902

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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/031,047

DATE: 02/13/2002
TIME: 19:58:18

Input Set : **A:\PTO.txt**
Output Set: **N:\CRF3\02132002\J031047.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4